September 1, 2010

Rafael Flores, Senior Vice President
and Chief Nuclear Officer
Luminant Generation Company, LLC
Comanche Peak Nuclear Power Plant
P.O. Box 1002
Glen Rose, TX 76043

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN – COMANCHE PEAK NUCLEAR POWER PLANT

Dear Mr. Flores:

On August 10, 2010, the NRC staff completed its performance review of the Comanche Peak Nuclear Power Plant for the first half of the calendar year 2010 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only – Security-Related Information," will include the security cornerstone review and resultant inspection plan.

At both units, plant performance for the most recent quarter was within the Licensee Response Column of the NRC’s action matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green).

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through December 31, 2011. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last 9 months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC’s “Rules of Practice,” a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC’s document system (ADAMS). ADAMS is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).
If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 817-860-8148 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

[Signature]

Wayne C. Walker
Chief, Projects Branch A
Division of Reactor Projects

Docket: 50-445, 50-446
License: NPF-87, NPF-89

Enclosure: Comanche Peak Nuclear Power Plant Inspection/Activity Plan

cc w/Enclosure:
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Chief, Technological Hazards
Branch
FEMA Region VI
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Federal Regional Center
Denton, TX 76209
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- **EXAM** - INITIAL EXAM RETAKE
  - X02461  RETAKE-EXAM UNIT 1 CP
  - X02462  RETAKE EXAM-UNIT 2 CP

- **BRQ** - OPERATOR REGUAL INSPECTION
  - IP 7111111B  Licensed Operator Requalification Program

- **RS678** - RADIATION SAFETY TEAM INSPECTION
  - IP 71124.06  Radioactive Gaseous and Liquid Effluent Treatment
  - IP 71124.07  Radiological Environmental Monitoring Program
  - IP 71124.08  Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation

- **EXAM** - INITIAL OPERATOR EXAM
  - X02469  INITIAL EXAM - UNIT 1 - CP (06/2011)
  - X02469  INITIAL EXAM - UNIT 1 - CP (06/2011)
  - X02470  INITIAL EXAM - UNIT 2 - CP (06/2011)
  - X02470  INITIAL EXAM - UNIT 2 - CP (06/2011)

- **EB2-05T** - TRIENNIAL FIRE PROTECTION
  - IP 7111105T  Fire Protection [Triennial]
  - IP 7111105T  Fire Protection [Triennial]

- **RS45** - RADIATION SAFETY DOSE ASS. & INSTRUMENT
  - IP 71124.04  Occupational Dose Assessment
  - IP 71124.05  Radiation Monitoring Instrumentation

- **PSB2-08P** - INSERVICE INSPECTION - U2
  - IP 7111108P  Inservice Inspection Activities - PWR

- **EP1** - BIENNIAL EP EXERCISE INSPECTION
  - IP 7111401  Exercise Evaluation
  - IP 7111404  Emergency Action Level and Emergency Plan Changes
  - IP 71151-EP01  Drill/Exercise Performance
  - IP 71151-EP02  ERO Drill Participation
  - IP 71151-EP03  Alert & Notification System

- **TSB-52B** - BIENNIAL P&I
  - IP 71152B  Identification and Resolution of Problems

- **RS123** - RADIATION SAFETY
  - IP 71124.01  Radiological Hazard Assessment and Exposure Controls
  - IP 71124.02  Occupational ALARA Planning and Controls
  - IP 71124.03  In-Plant Airborne Radioactivity Control and Mitigation
  - IP 71151-OR01  Occupational Exposure Control Effectiveness

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.
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